**Ecology Activity 6**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ( ) Class: P6/\_\_\_\_\_\_\_\_\_\_

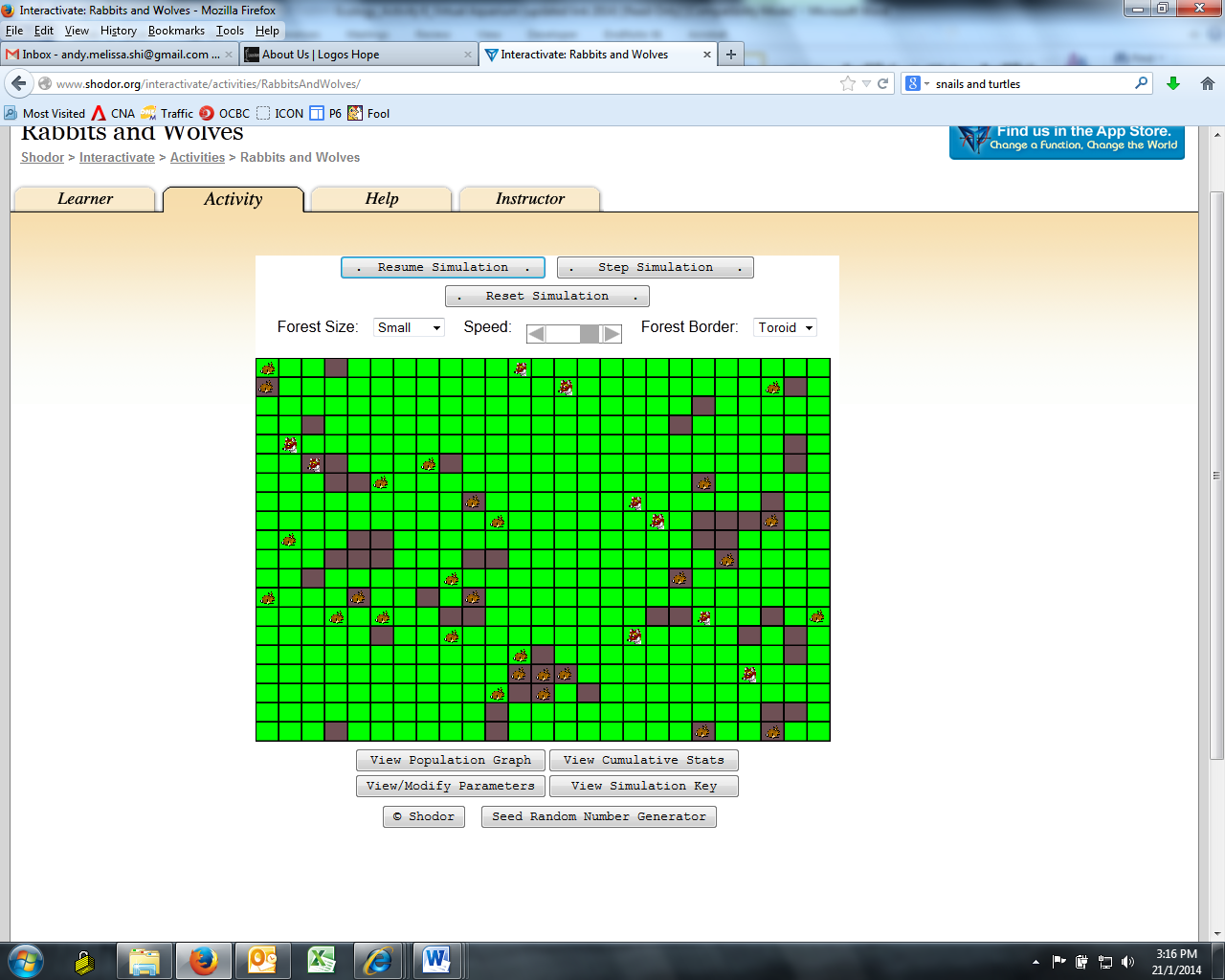
Date: \_\_\_\_\_\_\_\_\_\_\_\_ Date Due: \_\_\_\_\_\_\_\_\_\_

**Rabbits and Wolves**

This applet allows the user to simulate how nature keeps its balance. This applet shows how wolves and rabbits would behave in their natural setting. The computer uses set rules to determine whether each rabbit and wolf will live, die, or reproduce at each stage. Open the simulation with a web browser –

<http://www.shodor.org/interactivate/activities/RabbitsAndWolves/>

Click on “View Population Graph” to monitor the populations of the three organisms. Keeping the parameters unchanged, run the simulation and answer the questions below. You may have to run the simulation a few times to experience all the possible scenarios.



1. What happens to the rabbits and wolves if the number of rabbits falls below the number of wolves? Explain why this happens.

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2. What happens to the rabbits and grasses if all the wolves die out?

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3. What happens if there are many more rabbits than wolves? Explain.

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